



SEQ ID NO: 17

TT
T T
G:C
C:G
A:T
A:T
G:C
C:G
T:A
T:A
C:G
5' 3'

SEQ ID NO: 19

TT
T T
G:C
C:G
A:T
A:T
G:C
C:G
T:A
T:A
T:A
5' 3'

SEQ ID NO: 20

TT
T T
G:C
C:G
A:T
A:T
G:C
C:G
T:A
T:A
T:G
5' 3'

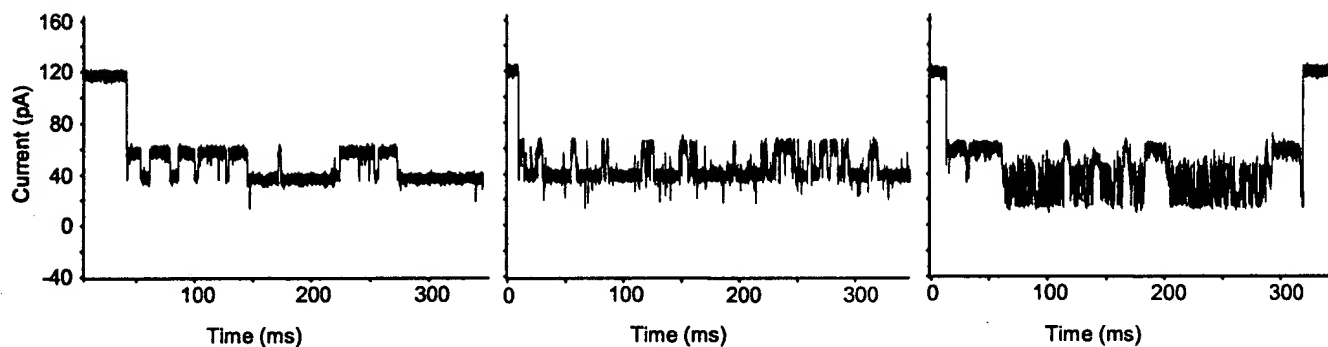


Figure 3c



SEQ ID NO:17

TT
T T
G:C
C:G
A:T
A:T
G:C
C:G
T:A
T:A
C:G
5' 3'

SEQ ID NO:19

TT
T T
G:C
C:G
A:T
A:T
G:C
C:G
T:A
T:A
T:A
5' 3'

SEQ ID NO:20

TT
T T
G:C
C:G
A:T
A:T
G:C
C:G
T:A
T:A
T:G
5' 3'

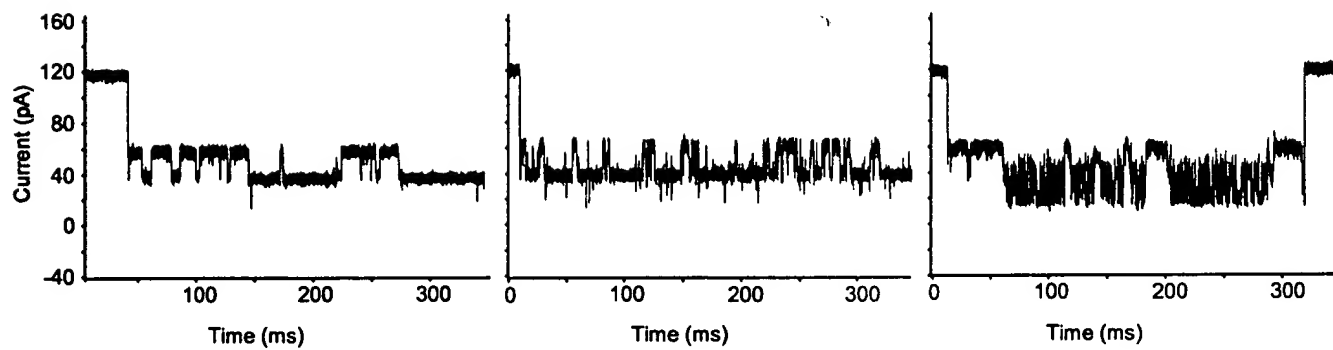


Figure 3c



Figure 8

2
 Table X. DNA hairpins used in this study. Primary sequence reads from 5' end at bottom left to 3' end at bottom right. Each hairpin has a 9 base-pair-long stem, and a four dT loop. The terminal base-pair and its nearest neighbor are highlighted by a box. These are the base-pairs in closest proximity to the pore limiting aperture when a given hairpin is captured in the α -hemolysin vestibule.

SEQ ID NO: 12	SEQ ID NO: 13	SEQ ID NO: 14	SEQ ID NO: 15	SEQ ID NO: 16	SEQ ID NO: 17	SEQ ID NO: 18	SEQ ID NO: 19	SEQ ID NO: 20	SEQ ID NO: 21	SEQ ID NO: 22	
TT T G C C G A A T T G C C T A T A G C 5' 3'	TT T G C C G A A T T G C C T A T A C G	TT T G C C G A A T T G C C T A T A A T	TT T G C C G A A T T G C C T A T A T A	TT T G C C G A A T T G C C T A T A T G	TT T G C C G A A T T G C C T A T A T T	TT T G C C G A A T T G C C T A T A F A	TT T G C C G A A T T G C C T A T A G C	TT T G C C G A A T T G C C T A T A C G	TT T G C C G A A T T G C C T A T A A T	TT T G C C G A A T T G C C T A T A T A	
9bpGT/CA	9bpCT/GA	9bpAT/TA	9bpTT/AA	9bpTT/GA	9bpTT/TA	9bpFT/AA	9bpGA/CT	9bpCA/GT	9bpAA/TT	9bpTA/AT	



Figure 8

Table 2. DNA hairpins used in this study. Primary sequence reads from 5' end at bottom left to 3' end at bottom right. Each hairpin has a 9 base-pair-long stem, and a four dT loop. The terminal base-pair and its nearest neighbor are highlighted by a box. These are the base-pairs in closest proximity to the pore limiting aperture when a given hairpin is captured in the α -hemolysin vestibule.

SEQ ID NO: 12	<pre> TT T T G C C G A T A T G C C G T A T A 5' 3' </pre>	SEQ ID NO: 13	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 14	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 15	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 16	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 17	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 18	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 19	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 20	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 21	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	SEQ ID NO: 22	<pre> TT T T G C C G A T A T G C C G T A T A </pre>	9bpGT/CA	9bpCT/GA	9bpAT/TA	9bpTT/AA	9bpTT/GA	9bpTT/TA	9bpTT/AA	9bpCA/GT	9bpAA/TT	9bpTA/AT
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